Amendments

In the Specification:

Please amend the specification as follows:

At page 15, please substitute the paragraph starting at line 22 and ending on page 16, line 2, with the following paragraph:

> We constructed a second vector pGSTN by first PCR-amplifying the *Schistosoma japonicum* glutathione *S* transferase (GST) gene from pGEX-2T (Pharmacia) under standard conditions using primers 'GSTfwd2' (5'-ATG CTG CAG ACG TCA ACA GTA TCC ATG GCC CCT ATA CTA GG-3') (SEQ ID NO: 1) and 'GSTHindIII' (5'-GCG AGG AAG CTT GTC AAT CAG TCA CGA TGA ATT CCC G-3') (SEQ ID NO: 2). These primers introduce an *Nco* I restriction site at the start codon of GST, mutate the second residue of GST from serine to alanine, and introduce a stop codon in the multiple cloning site 3'- of the GST gene followed by a *Hin* dIII restriction site. The PCR product was then cloned under standard conditions as an *Nco* I/*Hin* dIII fragment into pTrcHisA (Invitrogen) previously digested with *Nco* I/*Hin* dIII to generate pGSTN.

At page 16, please substitute the paragraph starting at line 7 and ending at line 17, with the following paragraph:

> We amplified the GST gene from the construct pGSTN using the polymerase chain reaction with custom-designed vector-specific primers 'STforward' (5'-ATG CTG ACG TCA TGA GGC CCA TGG GGC CCG GAT AAC AAT TTC ACA CAG G-3') (SEQ ID NO: 3) and 'STreverse' (5'-GCG GAT CCT TGC GGC CGC CAG GCA AAT TCT GTT T-3') (SEQ ID NO: 4) which bind to the vector 156 bp upstream of the start and 84 bp downstream of the stop codons respectively. 30 cycles of PCR (94°C 1min; 57°C 1min; 72°C 2min) were carried out in four separate 100μl reactions. Each PCR reaction contained ~20ng template DNA, 50pmol each primer and 2.5 units *Pwo* polymerase.

Each PCR reaction was carried out in a standard buffer (10mM Tris.HCl pH8.8, 25mM KCl, 5mM $(NH_4)_2SO_4$, 2mM $MgSO_4$, 10% DMSO). Each of the four PCR reactions then also contained a non-standard deoxynucleotide triphosphate mix, as follows:

At page 18, please substitute the paragraph starting at line 20 and ending on page 19, line 4, with the following paragraph:

5'-TAA GGA AGA GCT AGT ACT CCA GAC TGG CCG TCG TTT TAC-3' (SEQ ID NO: 5)

5'-TAA AGA AGA GCT AGT ACT CCA GAC TGG CCG TCG TTT TAC-3' (SEQ ID NO: 6)

5'-TAA TGA AGA GCT AGT ACT CCA GAC TGG CCG TCG TTT TAC-3' (SEQ ID NO: 7)

5'-TAA CGA AGA GCT AGT ACT CCA GAC TGG CCG TCG TTT TAC-3' (SEQ ID NO: 8)

5'-TAG GGA AGA GCT AGT ACT CCA GAC TGG CCG TCG TTT TAC-3' (SEQ ID NO: 9)

5'-TAG AGA AGA GCT AGT ACT CCA GAC TGG CCG TCG TTT TAC-3' (SEQ ID NO: 10)

5'-TAG TGA AGA GCT AGT ACT CCA GAC TGG CCG TCG TTT TAC-3' (SEQ ID NO: 11)

5'-TAG CGA AGA GCT AGT ACT CCA GAC TGG CCG TCG TTT TAC-3' (SEQ ID NO: 12)

5'-TGA GGA AGA GCT AGT ACT CCA GAC TGG CCG TCG TTT TAC-3' (SEQ ID NO: 13)

5'-TGA AGA AGA GCT AGT ACT CCA GAC TGG CCG TCG TTT TAC-3' (SEQ ID NO: 14)

5'-TGA TGA AGA GCT AGT ACT CCA GAC TGG CCG TCG TTT TAC-3' (SEQ ID NO: 15)

5'-TGA C<u>GA AGA GC</u>T AGT A<u>CT CCA G</u>AC
   Sap I   *Bpm* I
TGG CCG TCG TTT TAC-3' (SEQ ID NO: 16)
LMB2 binding site

On page 19, please substitute the paragraph starting at line 13 and ending at line 16, with the following paragraph:

5'-TAA NNN NNN ACT CCT CCT CCA GAC TGG CCG TCG TTT TAC-3' (SEQ ID NO: 17)

A4 cont'd

<div align="center">

5'-TAG NNN NNN ACT CCT CCT CCA GAC
TGG CCG TCG TTT TAC-3' (SEQ ID NO: 18)
5'-TGA NNN NNN A<u>CT CCT CCT CCA G</u>AC
               Bse RI   *Bpm* I
TGG CCG TCG TTT TAC-3' (SEQ ID NO: 19)
LMB2 binding site

</div>

At page 29, please substitute the paragraph starting at line 10 and ending at line 12,

with the following paragraph:

A5

<div align="center">

κB motif   5'-CGT ATG TTG TGG GGA ATT CCC
AGC GGA TAA C-3' (SEQ ID NO: 20)
5'-GTT ATC CGC T<u>GG GAA TTC CC</u>C
            NF-κB P50 binding site
ACA ACA TAC G-3' (SEQ ID NO: 21)

</div>

At page 31, please substitute the paragraph starting at line 22 and ending at line 24,

with the following paragraph:

A6

<div align="center">

5'-GTA AAA CGA CGG CCA GTC TGG AGG
AGG AGA NNN NNN TCA-3' (SEQ ID NO: 22)
5'-GTA AAA CGA CGG CCA GTC TGG AGG
AGG AGA NNN NNN TTA-3' (SEQ ID NO: 23)
5'-GTA AAA CGA CGG CCA GTC TGG AGG
AGG AGA NNN NNN CTA-3' (SEQ ID NO: 24)

</div>

At page 33, please substitute the paragraph starting at line 25 and ending at line 25,
with the following paragraph:

A7

<div align="center">

5'-GTA AAA CGA CGG CCA GTC TGG AGG
AGG AGA NNN NNN TCA-3' (SEQ ID NO: 25)

</div>

At page 35, please substitute the paragraph starting at line 14, and ending on page

35, line 16, with the following paragraph:

A8

<div align="center">

5'-ATG CT<u>G ACG TCA TGA GGC CCA TGG</u>
    Aat II   *Bsp* HI   *Sfi* I

</div>

  GGC CCG GAT AAC AAT TTC ACA CAG G-3' (SEQ
ID NO: 3)

Please cancel the existing Sequence Listing for the above-identified application,

replace it with the substitute Sequence Listing appended hereto, and insert the same at the

end of the application.